



NSW Education Standards Authority

2021 HIGHER SCHOOL CERTIFICATE EXAMINATION

Textiles and Design

**General
Instructions**

- Reading time – 5 minutes
- Working time – 1 hour and 30 minutes
- Write using black pen

**Total marks:
50**

Section I – 10 marks (pages 2–4)

- Attempt Questions 1–10
- Allow about 15 minutes for this section

Section II – 24 marks (pages 5–10)

- Attempt Questions 11–13
- Allow about 45 minutes for this section

Section III – 16 marks (pages 11–14)

- Attempt BOTH Question 14 and Question 15
- Allow about 30 minutes for this section

Section I

10 marks

Attempt Questions 1–10

Allow about 15 minutes for this section

Use the multiple-choice answer sheet for Questions 1–10.

- 1 What does sun-safe clothing primarily cater for?
- A. Cultural expression
 - B. Changing body size
 - C. Skill level of workers
 - D. Changing consumer demands
- 2 Apparel items designed for a specific age group demonstrate the designer's understanding of
- A. inspiration.
 - B. target market.
 - C. mass production.
 - D. manufacturing skills.
- 3 A fitness centre wishes to embellish its pile-weave towels with a logo.
- Which of the following is the most appropriate technique for this purpose?
- A. Cross stitch
 - B. Block printing
 - C. Machine embroidery
 - D. Hand-stitched applique
- 4 What is the most likely reason for using microfibres in the production of textile items?
- A. They do not harm the environment.
 - B. They use few raw materials in their manufacture.
 - C. They are versatile and can be applied to many uses.
 - D. They do not require special machinery during their manufacture.

- 5 Which statement best compares untreated woollen socks to nylon socks?
- A. Nylon socks are warmer than untreated woollen socks.
 - B. Untreated woollen socks make feet sweat, nylon socks do not.
 - C. Untreated woollen socks are machine washable, nylon socks are not.
 - D. Nylon socks can be heat set into shape, untreated woollen socks cannot.
- 6 Why are washable web fabrics suitable to use as interfacing?
- A. They are economical as they can be cut in any direction.
 - B. They can be used around curves as they can stretch easily.
 - C. They can suit any end use as they can be dyed and printed easily.
 - D. They are stronger than woven interfacings as their grain line is more rigid.
- 7 Which of the following identifies only internal factors that can influence designers?
- A. Tertiary training, manufacturing premises, staff employed
 - B. Celebrities, government stimulus packages, manufacturing premises
 - C. Tertiary training, changes in the value of the Australian dollar, staff employed
 - D. Celebrities, changes in the value of the Australian dollar, government stimulus packages
- 8 A designer's 2021 collection used ecofriendly fabrics. The range has been broadly popular and the designer is now very successful.
- What is the most likely reason for this designer's success?
- A. Their target market is small.
 - B. They are responding to current trends.
 - C. They pioneered the use of new fabrics.
 - D. The products are made quickly and are easily disposed of.

- 9** A designer uses computer aided design (CAD) and computer aided manufacture (CAM) in their business.

Which of the following best reflects this?

- A. Designing using computer software and manufacturing using industrial sewing machines.
- B. Designing using computer software and cutting the fabric using an automated cutting system.
- C. Creating a cutting layout on the computer and applying the fine details using an experienced machinist.
- D. Using state of the art technical drawing tools and manufacturing using industrial sewing machines.

- 10** A designer is producing a range of 100% polyester knitwear featuring three stripes of colour. The colourways will be changed mid-season depending on which colours are most popular.

What is the most efficient dyeing method to use?

- A. Top dyeing
- B. Dope dyeing
- C. Skein dyeing
- D. Stock dyeing

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Centre Number

Textiles and Design

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Student Number

Sections II and III Answer Booklet

Instructions

- Write your Centre Number and Student Number at the top of this page.
- Use this answer booklet for Sections II and III.
- Answer BOTH Sections.
- Follow the instructions inside this booklet as to where you should write your answers.

Please turn over

Section II

24 marks

Attempt Questions 11–13

Allow about 45 minutes for this section

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

Question 11 — Australian Textile, Clothing, Footwear and Allied Industries
(8 marks)

- (a) A company is aware that its active sportswear is entering the decline stage of its life cycle. **3**

Outline TWO strategies that could be used to extend the life cycle of the active sportswear.

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Question 11 continues on page 7

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Question 11 (continued)

(b) (i) Distinguish between niche and mass-produced products. 2

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(ii) Compare how niche products and mass-produced products are marketed. Support your answer with examples. 3

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End of Question 11

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Question 13 — Properties and Performance of Textiles (8 marks)

- (a) Explain how the performance of a fabric can be enhanced by the use of either a fibre finish OR a fabric finish. Use ONE example to support your answer. **4**

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- (b) Describe ONE innovation in yarn development in terms of benefits to the consumer. **4**

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